

YOR 920030165451
Chen et al
GHz

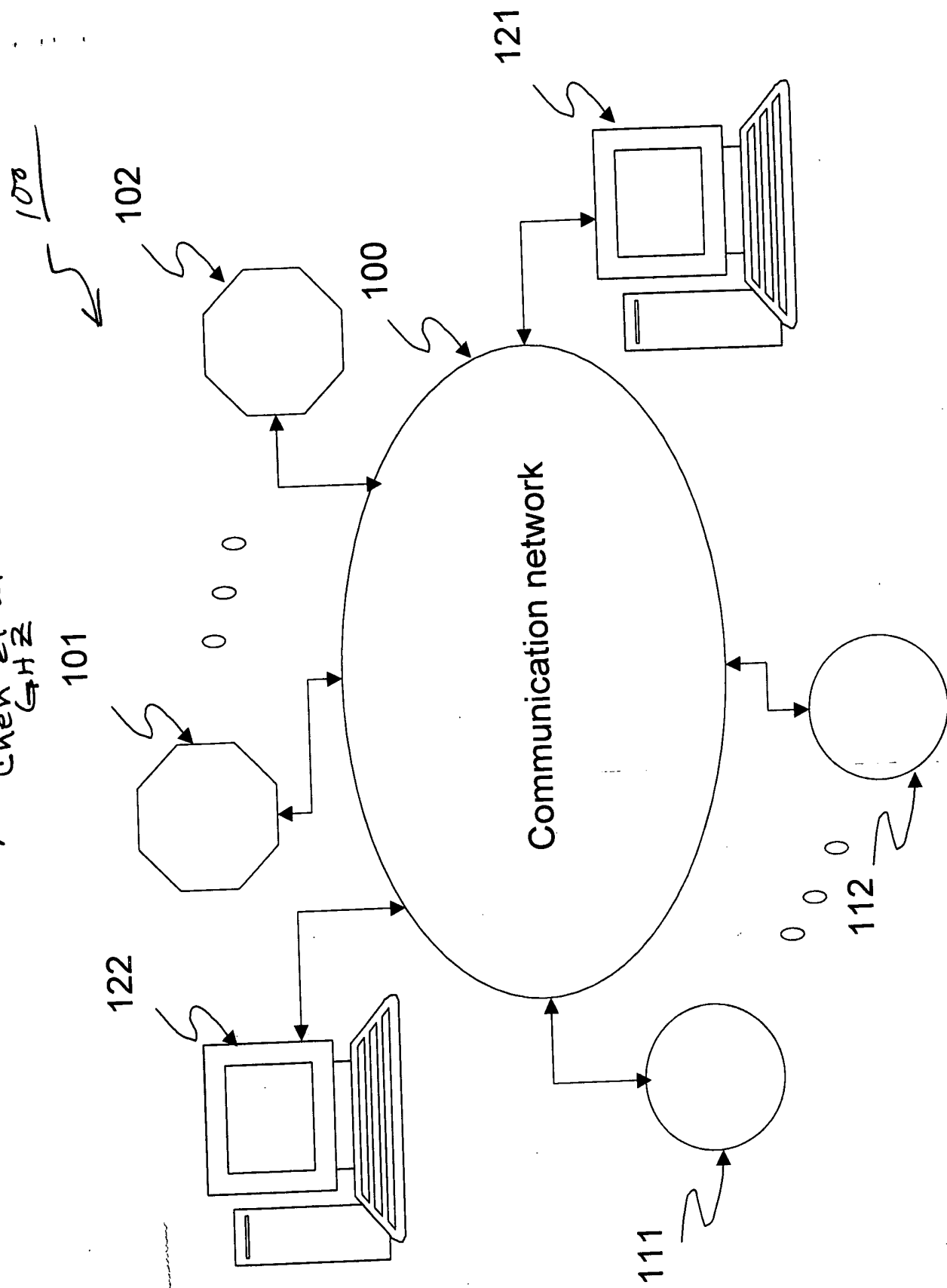


Figure 1

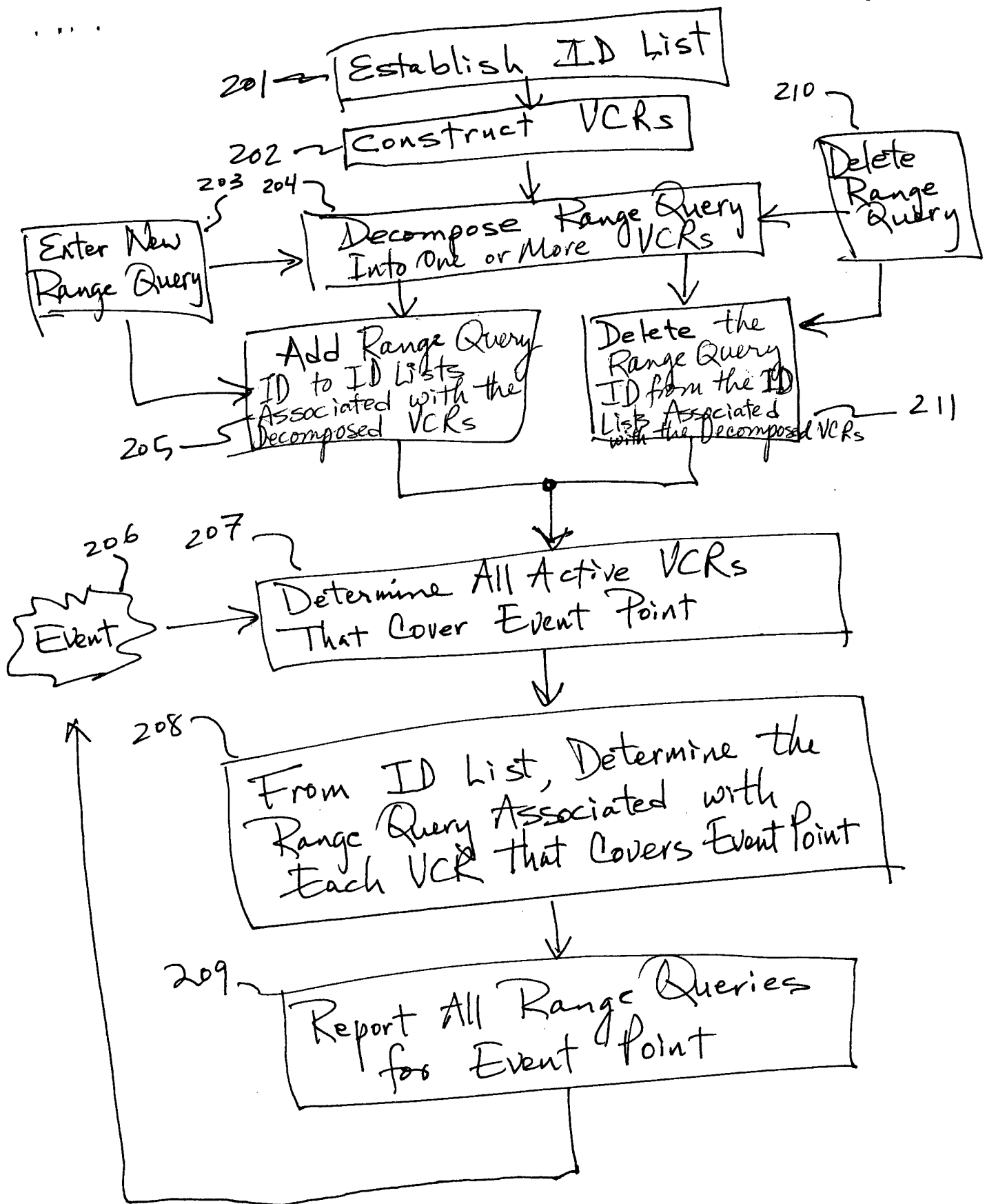


FIGURE 2

YOR 920030165 US1

300

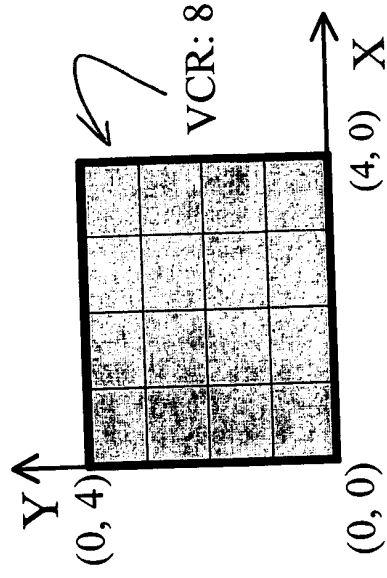
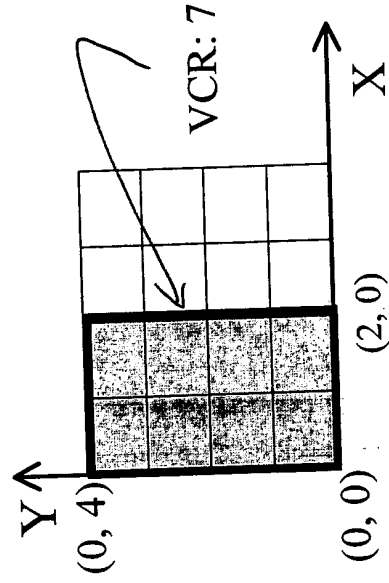
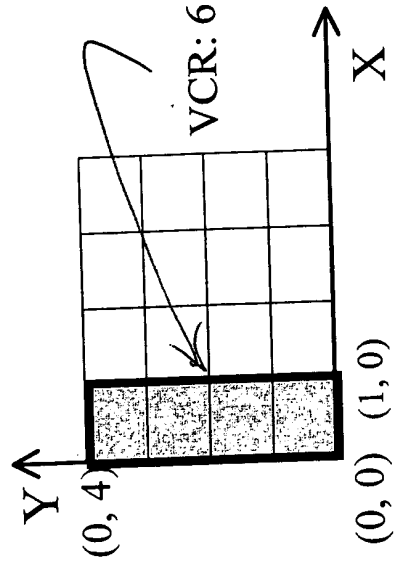
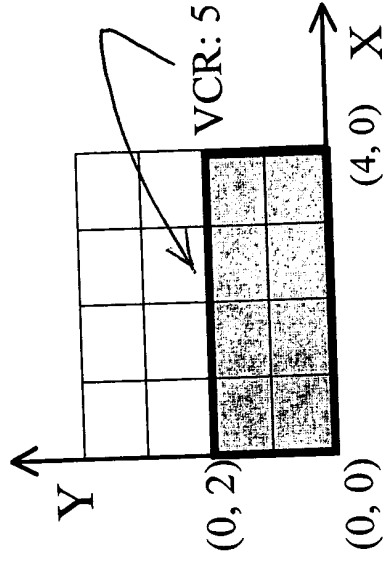
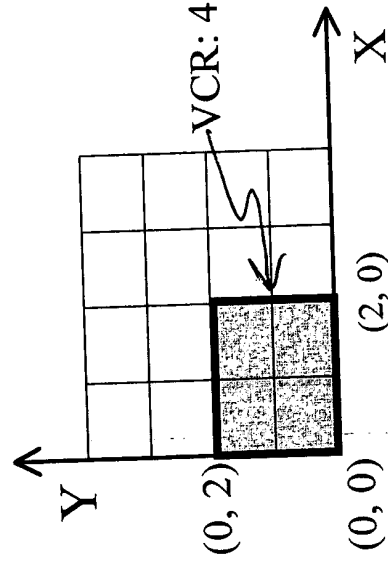
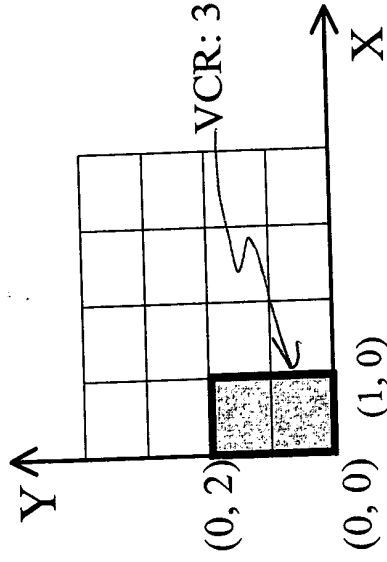
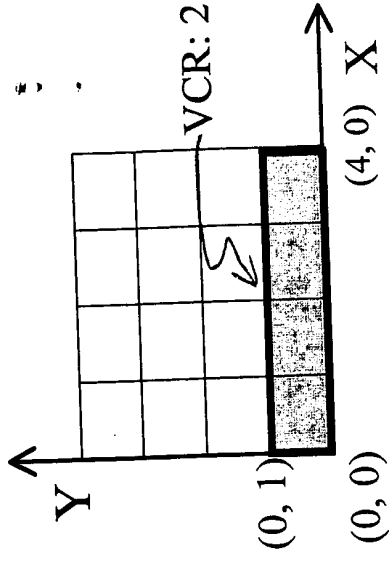
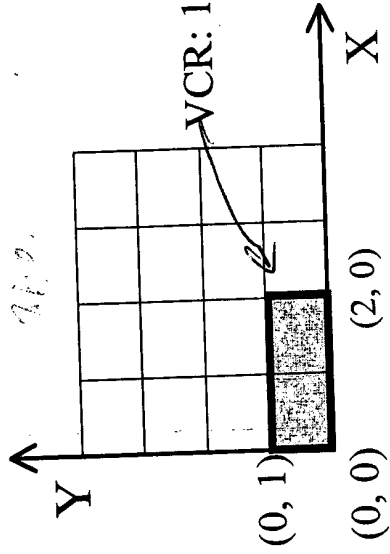
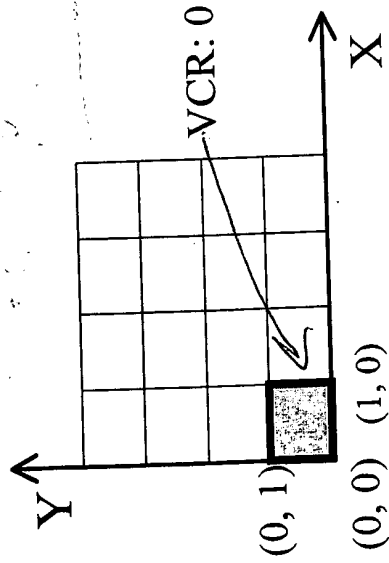
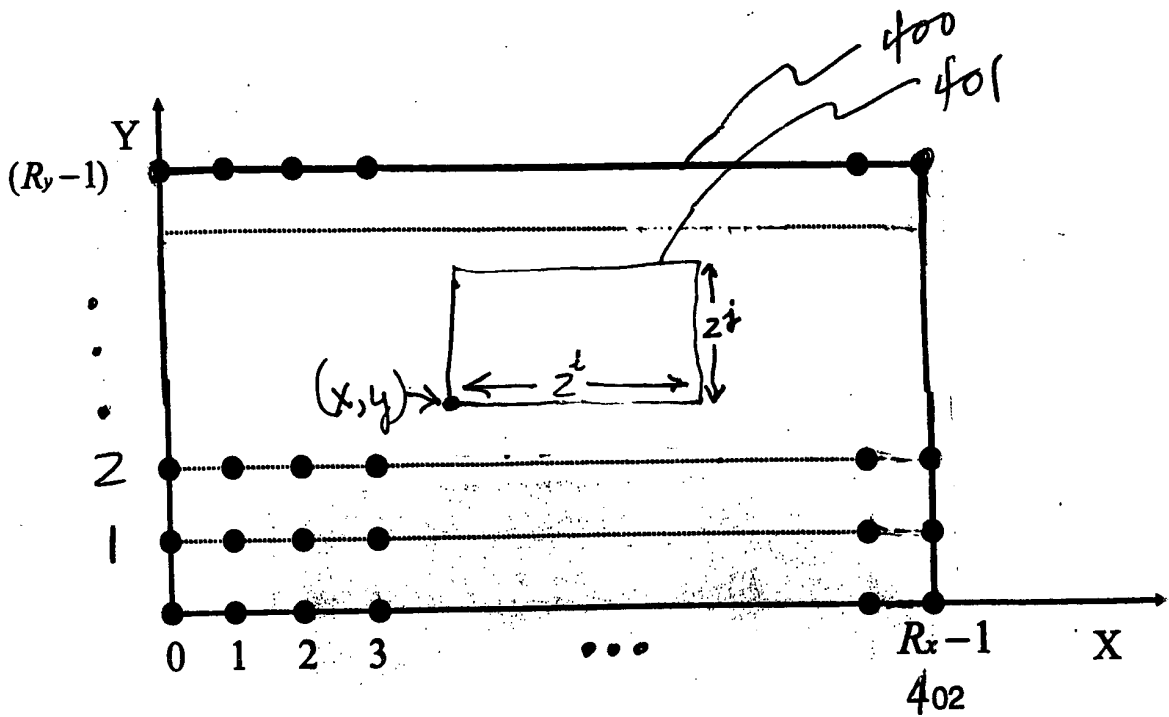


Figure 3

YOR 920030165 US1



$$\text{ID}(x, y, 2^i, 2^j) = B(x + yR_x) + j(k_x + 1) + i;$$

where $B = (k_x + 1)(k_y + 1)$, $k_x = \log(L_x)$, and $k_y = \log(L_y)$

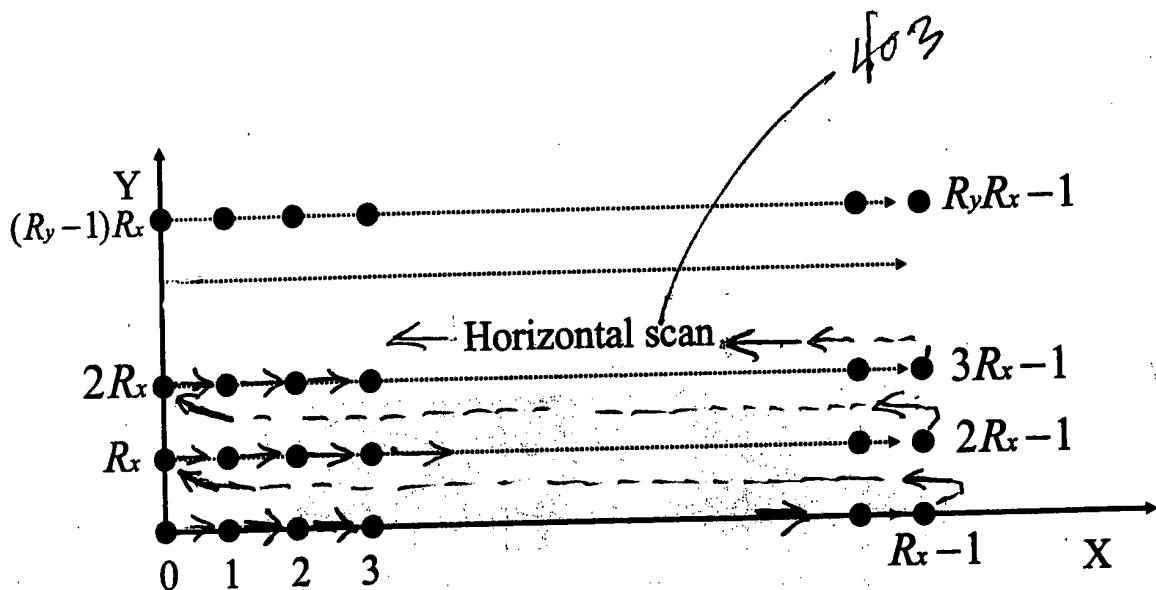


FIGURE 4

YOK 920030165 uS1

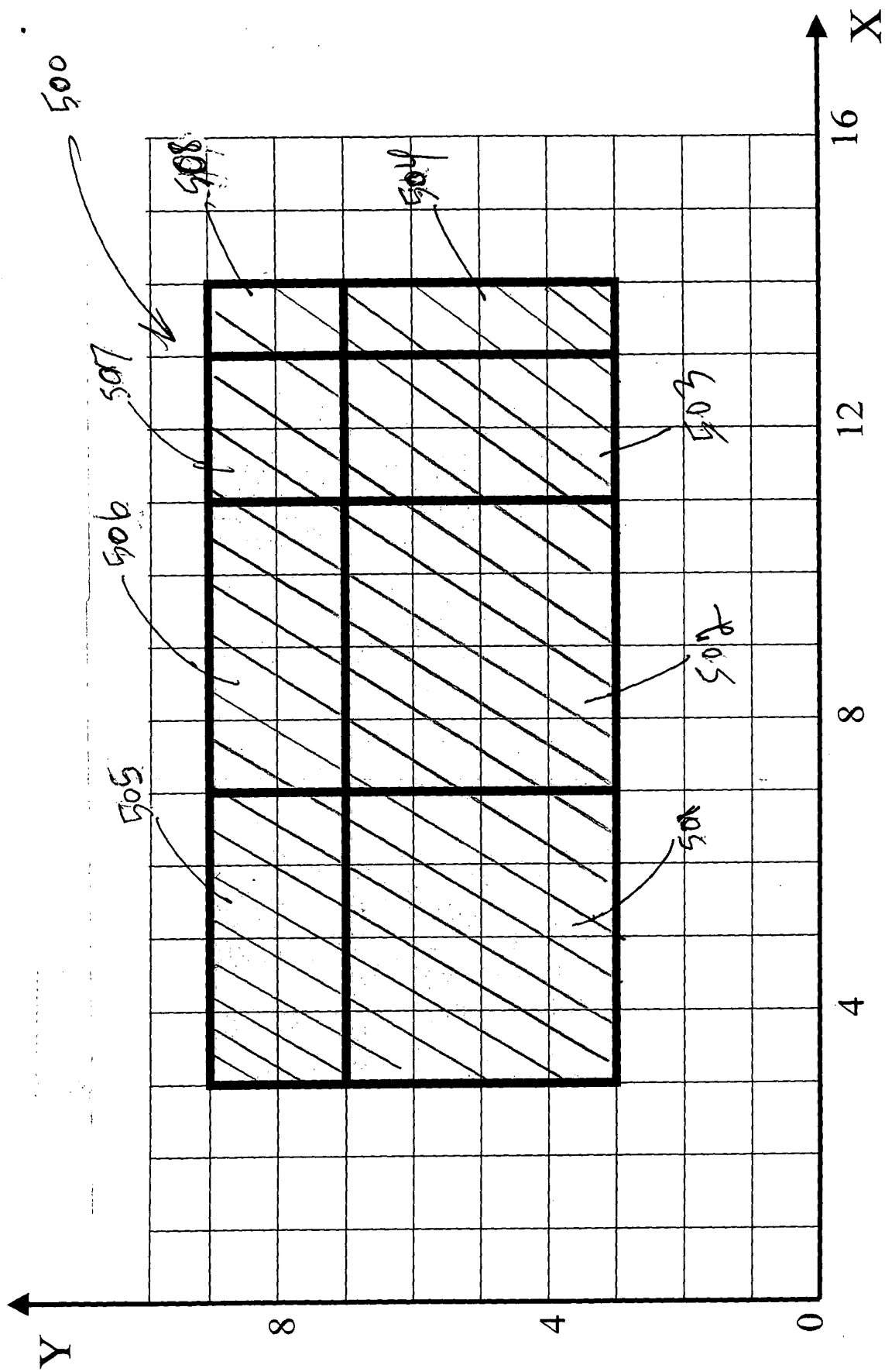


FIGURE 5.

YOR 920030165 US1

600

601

decompose(a, b, w, h)

602

$L_w = a; B_w = b; W_w = w; H_w = h;$
decomSet = ϕ ;

608

Return(decomSet);

NO

$H_w > 0?$

YES

603

604

$H_s = \max \text{VCRh}(H_w);$
 $L_s = L_w; B_s = B_w; W_s = W_w;$

607

$B_w = B_w + H_s; H_w = H_w - H_s;$

NO

605

$W_s > 0?$

YES

find largest VCR v such that

$((\text{left}(v) = L_s) \wedge (\text{bottom}(v) = B_s) \wedge (\text{width}(v) \leq W_s) \wedge (\text{height}(v) = H_s));$

decomSet = decomSet $\cup \{v\}$;

$L_s = L_s + \text{width}(v); W_s = W_s - \text{width}(v);$

606

FIGURE 6

Y0R920030165US1

700

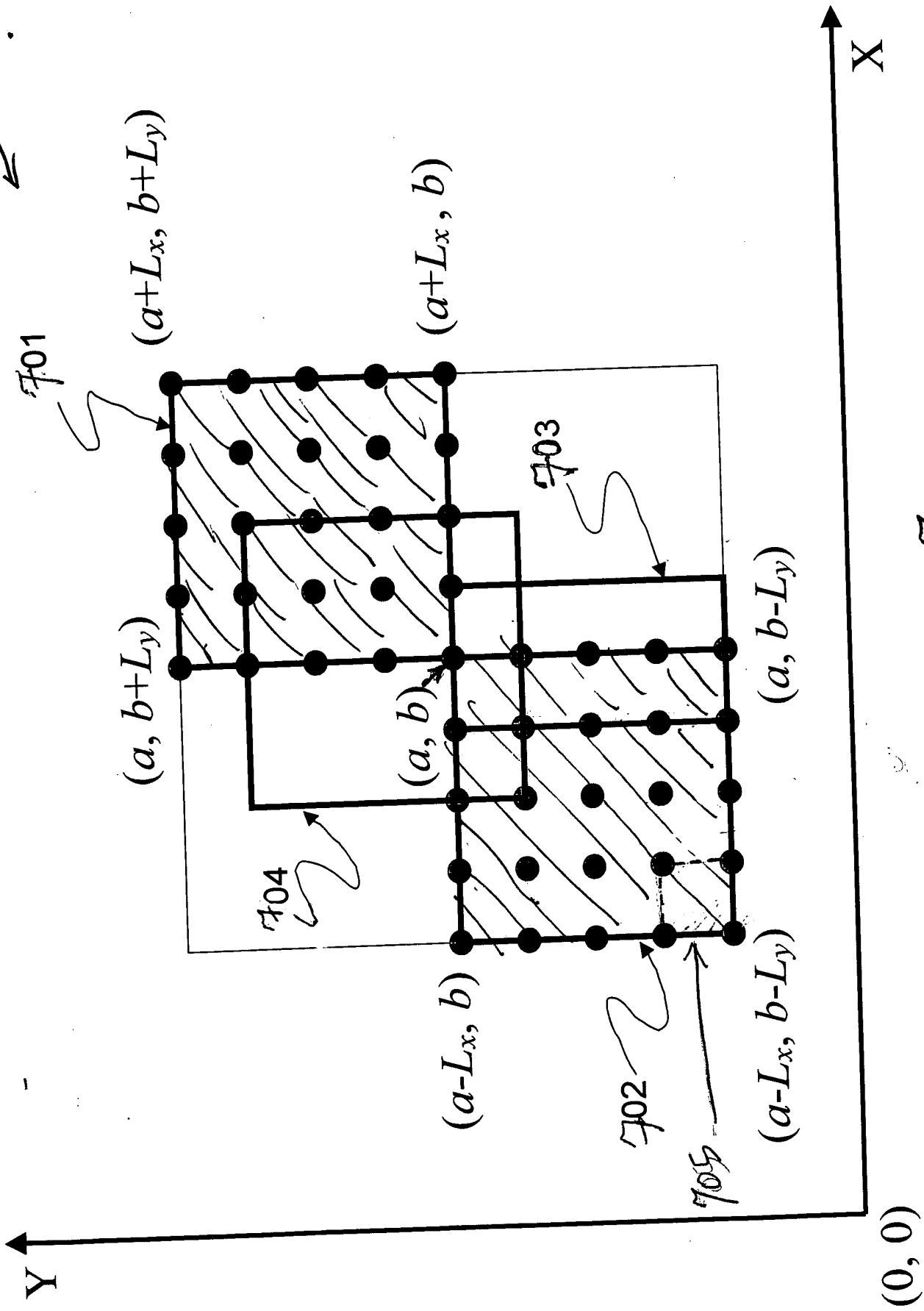


FIGURE 7

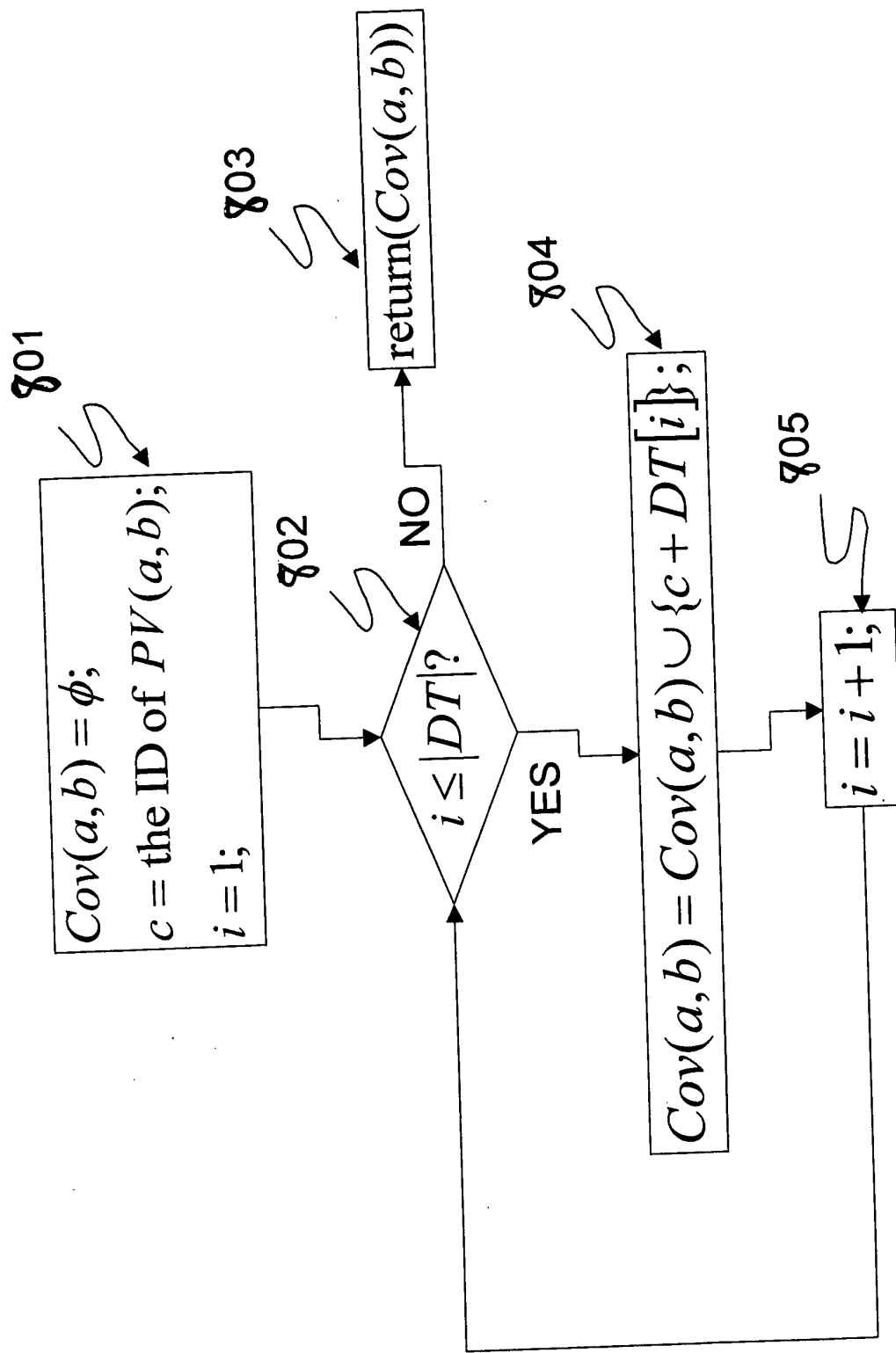


FIGURE 8

YOR 920030165US1

900

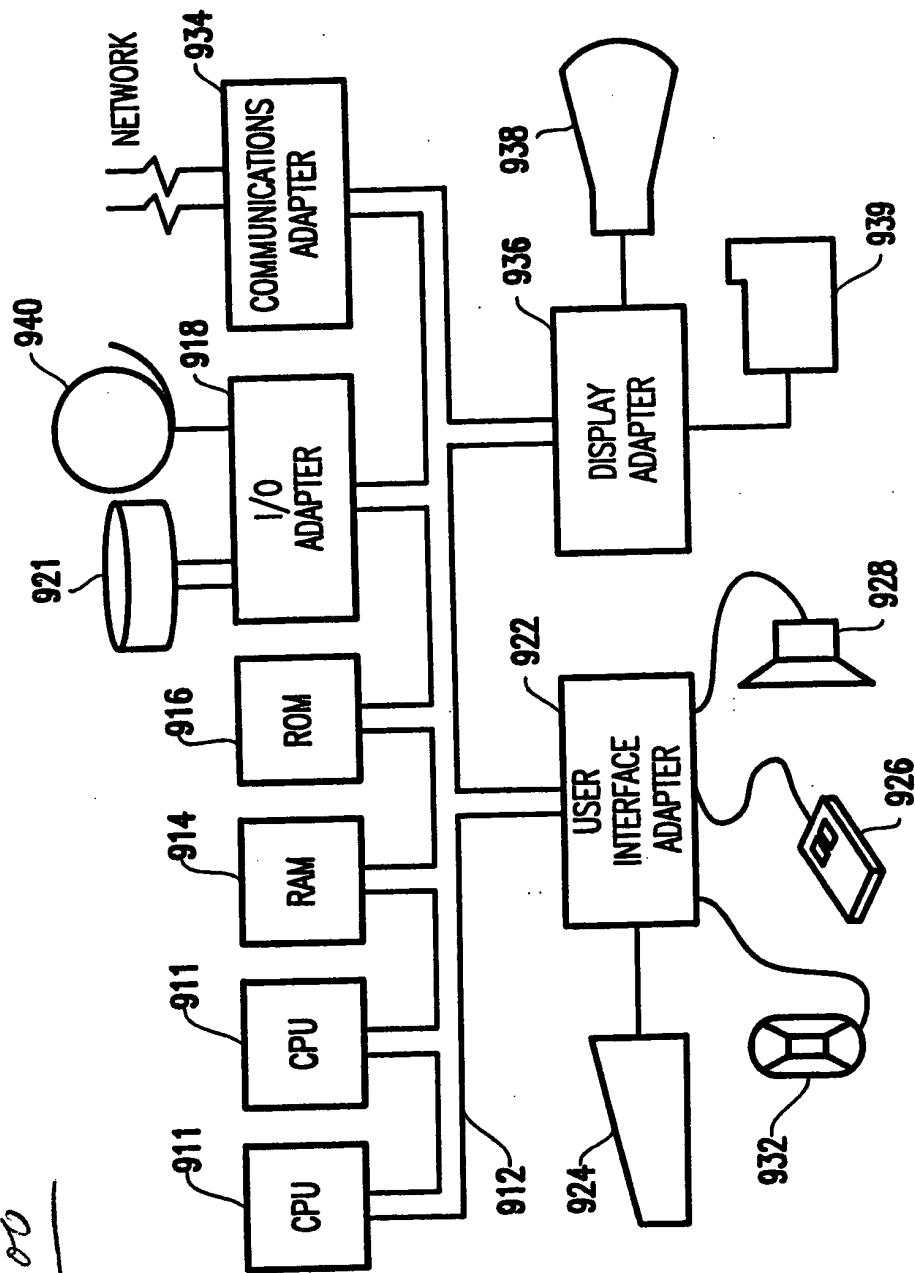


FIG. 9

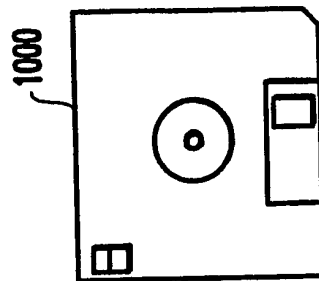


FIG. 10